

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	"20050013610"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/08 16:52
S1	1	"20050013610"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/23 10:32
S2	67	398/104.ccls. or 398/105.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/24 10:14
S3	12	S2 and (q or q?monitor\$3 or q?test3 or histogram or analog near7 (analysis or monitor\$5 or test\$3 or quality))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/23 10:56
S4	1877	"398"/\$7.ccls. and (q or q?monitor\$3 or q?test3 or histogram or analog near7 (analysis or monitor\$5 or test\$3 or quality))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/23 10:57
S5	1877	"398"/\$7.ccls. and (q or q?monitor\$3 or q?test3 or histogram or analog near7 (analysis or monitor\$5 or test\$3 or quality))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/23 10:58
S6	101	S4 and (undersea or transoceanic or underwater or uner adj water or under adj sea or trans?oceanic)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/23 14:53
S7	1877	"398"/\$7.ccls. and (q or q?monitor\$3 or q?test3 or histogram or analog near7 (analysis or monitor\$5 or test\$3 or quality))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/23 15:10
S8	103	S7 and (undersea or transoceanic or underwater or under adj water or under adj sea or trans?oceanic)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/24 10:15
S9	557239	"2" and analog	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/23 15:04
S10	67	398/104.ccls. or 398/105.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/23 15:04
S11	9	S10 and analog	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/23 15:05
S12	2	S10 and signal adj quality	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/23 16:25
S13	67	S10 andquality	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/23 15:07

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S14	12	S10 and quality	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/23 15:07
S15	17	("5343320"   "5506723"   "5652675").PN. OR ("5801878"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/23 15:08
S16	0	S15 and (q or q?monitor\$3 or q?test3 or histogram or analog near7 (analysis or monitor\$5 or test\$3 or quality))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/23 16:29
S17	1	"6532087".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/23 15:10
S18	15	("4726011"   "4989202"   "5822102"   "5940209"   "6061158"   "6134034"   "6172782"   "6229631"   "6259543").PN. OR ("6532087"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/23 15:37
S19	0	S18 and otdr	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/23 15:37
S20	0	S10 and otdr	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/23 15:37
S21	9	S8 and otdr	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/23 15:38
S22	49	("5218662"   "5224183"   "5355240"   "5365362"   "5539563").PN. OR ("5717510").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/23 15:41
S23	3	S22 and (undersea or transoceanic or underwater or under adj water or under adj sea or trans?oceanic)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/23 18:21
S24	44	("5117303"   "5243610").PN. OR ("5365362").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/23 15:43
S25	19	S24 and (undersea or transoceanic or underwater or under adj water or under adj sea or trans?oceanic)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/23 15:56
S26	3	("20020178417" or "6697577" or "6990294" or "6212001" or "6215584" or "5513029" or "20040165888") and (undersea or transoceanic or underwater or under adj water or under adj sea or trans?oceanic)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/23 15:52

## EAST Search History

S27	81	("4277846"   "4369525"   "4399566"   "4864649"   "4995100"   "5282074"   "5287366"   "5311005"   "5373387"   "5374973").PN. OR ("5513029").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/23 15:56
S28	1	S27 and (undersea or transoceanic or underwater or under adj water or under adj sea or trans?oceanic)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/23 18:57
S29	16	("5299048"   "5374973"   "5479424"   "5485299"   "5513029"   "5528404"   "5572352"   "5625481"   "5633749"   "5701195"   "5703711"   "5737118").PN. OR ("6178037").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/23 15:57
S30	2	S29 and (undersea or transoceanic or underwater or under adj water or under adj sea or trans?oceanic)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/23 16:02
S31	103	S7 and (undersea or transoceanic or underwater or under adj water or under adj sea or trans?oceanic)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/23 16:00
S32	13	(US-5717510-\$ or US-5815294-\$ or US-5870213-\$ or US-5946119-\$ or US-6311002-\$ or US-6317241-\$ or US-6341023-\$ or US-6342962-\$ or US-6381048-\$ or US-6604872-\$ or US-6317055-\$ or US-5801878-\$ or US-6229631-\$).did.	USPAT	OR	ON	2006/05/23 16:02
S33	12	S32 and (undersea or transoceanic or underwater or under adj water or under adj sea or trans?oceanic)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/23 16:19
S34	8	("5559920"   "5696614"   "6021235").PN. OR ("6311002").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/23 16:19
S35	4	S34 and (undersea or transoceanic or underwater or under adj water or under adj sea or trans?oceanic)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/23 18:09
S36	60	("5035481"   "5224183"   "5280383"   "5327516"   "5400165").PN. OR ("5559920").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/23 16:21
S37	13	S36 and (undersea or transoceanic or underwater or under adj water or under adj sea or trans?oceanic)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/23 16:30

## EAST Search History

S38	16	(US-5717510-\$ or US-5815294-\$ or US-5870213-\$ or US-5946119-\$ or US-6311002-\$ or US-6317241-\$ or US-6341023-\$ or US-6342962-\$ or US-6381048-\$ or US-6604872-\$ or US-6317055-\$ or US-5801878-\$ or US-6229631-\$ or US-6633712-\$ or US-5559920-\$ or US-6580548-\$). did.	USPAT	OR	ON	2006/05/23 16:24
S39	3	S38 and signal adj quality	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/23 16:26
S40	3	S38 and analog	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/23 16:27
S41	13	S38 and (q or q?monitor\$3 or q?test3 or histogram or analog near7 (analysis or monitor\$5 or test\$3 or quality))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/23 16:29
S42	12	S41 and (undersea or transoceanic or underwater or under adj water or under adj sea or trans?oceanic)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/23 18:01
S43	8	S42 and measur\$5	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/23 16:45
S44	460	"398"/\$7.ccls. and (undersea or transoceanic or underwater or under adj water or under adj sea or trans?oceanic)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/23 16:47
S45	32	S44 and q?factor	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/23 16:48
S46	9	("5373382"   "5473458"   "5477375"   "5526162"   "5946119"   "6407842"   "6556326").PN. OR ("6744992").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/23 16:51
S47	19	(US-5717510-\$ or US-5815294-\$ or US-5870213-\$ or US-5946119-\$ or US-6311002-\$ or US-6317241-\$ or US-6341023-\$ or US-6342962-\$ or US-6381048-\$ or US-6604872-\$ or US-6317055-\$ or US-5801878-\$ or US-6229631-\$ or US-6633712-\$ or US-5559920-\$ or US-6580548-\$ or US-6744992-\$ or US-6556326-\$ or US-6452707-\$).did.	USPAT	OR	ON	2006/05/23 16:52
S48	6	S47 and q-factor	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/23 16:52

## EAST Search History

S49	6	S48 and (gain near2 equaliz\$5 or dispersion near3 compenst\$5 or gain or raman or slope near3 compensat\$5 or dummy)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/23 17:17
S50	2	S49 and compensation	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/23 17:17
S51	4	S49 and compensat\$5	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/23 17:21
S52	3	S49 and (land or terrestrial)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/23 17:21
S53	3	S41 and q?factor	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/23 18:01
S54	2	S42 and q?factor	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/23 18:01
S55	46	q?factor and (undersea or transoceanic or underwater or under adj water or under adj sea or trans?oceanic)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/23 18:16
S56	23	q?factor and (undersea or transoceanic or underwater or under adj water or under adj sea or trans?oceanic) and q with measur\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/23 18:16
S57	23	(US-20030147116-\$ or US-20020021861-\$ or US-20030118350-\$).did. or (US-5717510-\$ or US-5815294-\$ or US-5870213-\$ or US-5946119-\$ or US-6311002-\$ or US-6317241-\$ or US-6341023-\$ or US-6342962-\$ or US-6381048-\$ or US-6604872-\$ or US-6317055-\$ or US-5801878-\$ or US-6229631-\$ or US-6633712-\$ or US-5559920-\$ or US-6580548-\$ or US-6744992-\$ or US-6556326-\$ or US-6452707-\$ or US-5912755-\$). did.	US-PGPUB; USPAT	OR	ON	2006/05/23 18:21
S58	22	S57 and (undersea or transoceanic or underwater or under adj water or under adj sea or trans?oceanic)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/23 18:21
S59	9	S58 and (measur\$3 or determin\$3 or calculat\$3) near7 q	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/23 18:56

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S60	9	S57 and raman	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/23 18:56
S61	3	S57 and raman near3 ampl\$7	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/23 18:57
S62	3	S61 and (undersea or transoceanic or underwater or under adj water or under adj sea or trans?oceanic)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/23 18:57
S63	23	(US-20030147116-\$ or US-20020021861-\$ or US-20030118350-\$).did. or (US-5717510-\$ or US-5815294-\$ or US-5870213-\$ or US-5946119-\$ or US-6311002-\$ or US-6317241-\$ or US-6341023-\$ or US-6342962-\$ or US-6381048-\$ or US-6604872-\$ or US-6317055-\$ or US-5801878-\$ or US-6229631-\$ or US-6633712-\$ or US-5559920-\$ or US-6580548-\$ or US-6744992-\$ or US-6556326-\$ or US-6452707-\$ or US-5912755-\$). did.	US-PGPUB; USPAT	OR	ON	2006/05/24 10:13
S64	9	S63 and raman	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/24 10:14
S65	2	S64 and raman adj amplification	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/24 10:14
S66	3	S64 and raman adj amplif\$7	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/24 10:15
S67	172	(undersea or transoceanic or underwater or under adj water or under adj sea or trans?oceanic) and raman adj amplif\$7 and (fiber or optic\$6) with transmission	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/24 11:14
S68	170	(undersea or transoceanic or underwater or under adj water or under adj sea or trans?oceanic) and raman adj amplif\$7 and (fiber or optic\$6) near4 transmission	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/24 11:13
S69	1	S63 and autocorrelat\$7	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/24 11:13
S70	1	shpantzer and autocorrelat\$7	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/24 11:14
S71	0	("2003/0147116").URPN.	USPAT	OR	ON	2006/05/24 11:14

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S72	14	(undersea or transoceanic or underwater or under adj water or under adj sea or trans?oceanic) and autocorrelat\$6 and (fiber or optic\$6) with transmission	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/24 13:22
S73	58	(undersea or transoceanic or underwater or under adj water or under adj sea or trans?oceanic) and autocorrelat\$6 and (fiber or optic\$6) and transmission	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/24 11:25
S74	44	S73 not S72	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/24 11:50
S75	22	"5870213"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/24 11:50
S76	1	S75 and otdr	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/24 12:09
S77	26	"398"/\$7.ccls. and autocorrelat\$6 with monitor\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/24 13:25
S78	138	"398"/\$7.ccls. and autocorrelat\$6	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/24 13:25
S79	112	S78 not S77	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/24 13:56
S80	4	"398"/\$7.ccls. and autocorrelat\$7.ti.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/24 13:57
S81	176	autocorrelat\$7.ti.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/24 13:57
S82	12	S81 and fiber	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/24 18:33
S83	217	leuthold.in.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/24 18:33
S84	3	S83 and duobinary	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/24 18:34
S85	5	S83 and liu.in.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/24 18:34

## EAST Search History

S86	1	("6760142").PN. OR ("7027669"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/24 18:36
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